

## CLAIMS

- 5    1. A method of visualization of the echos received by an active sonar using a  
line spectrum emission, this visualization being carried out on a panoramic  
screen, characterized in that it comprises at least:
  - a step (71) of Doppler processing of the signal received, this step  
making it possible to class the echos received as a function of their Doppler  
frequency,
  - a step (72) of creating a synthetic image representing in a  
bearing-distance plane the set of echos detected in the form of symbols,
  - a step (73) of restitution on the image of the reconstituted  
panoramic reverberation.
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- 15                 2. The method as claimed in claim 1, characterized in that the  
reconstitution of the panoramic reverberation is carried out by displaying for  
each point of the image, tagged by its distance and its bearing, the echo  
whose Doppler frequency is situated at the center of a zone A (62),  
20 corresponding to the Doppler frequencies relating to the fixed echos.
- 25                 3. The method as claimed in either one of the preceding claims,  
characterized in that it produces an image comprising at one and the same  
time the reconstituted panoramic reverberation and the mobile echos  
detected, these echos being represented by areas whose color and size vary  
as a function of the level and of the duration of the echo received.
- 30                 4. The method as claimed in claim 4, characterized in that on the  
image produced the echos detected are highlighted by means of symbols,  
these symbols making it possible to distinguish the mobile echos (81) from  
the fixed echos (82).